

WHAT IS CLAIMED IS:

1. An eyewear system comprising at least one eyewear lens having an end surface that defines a perimeter of said lens, a cable extending around said perimeter, said perimeter having a total length and said cable extending around at least about 90% of said total length.
2. The system of Claim 1, wherein said cable has a multi-filament construction.
3. The system of Claim 2, wherein said multi-filament construction comprises a plurality of filaments surrounding by an outer casing.
4. The system of Claim 3, wherein at least one of said plurality of filaments comprises a material selected from the group consisting of a metal, a metal alloy, a nylon, a polymer, a resin, a natural fiber or a man-made fiber.
5. The system of Claim 1, wherein said cable is made of a metal or metal alloy.
6. The system of Claim 1, wherein said cable has a thickness of between about 0.1 and about 3.0 mm.
7. The system of Claim 6, wherein said cable has a thickness of between about 0.1 and about 0.6 mm.
8. The system of Claim 1, wherein said cable has a thickness of between about 0.4 and about 1.6 mm.
9. The system of Claim 6, wherein said cable has a thickness of between about 0.4 mm and about 0.6 mm.
10. The system of Claim 9, wherein said cable has a thickness of about 0.5 mm.
11. The system of Claim 1, wherein said cable comprises a plurality of filaments retained in a casing.
12. The system of Claim 1 further comprising a tension bar and a locking unit that is mounted to said tension bar.
13. The system of Claim 12, wherein said locking unit is positioned at an end of said tension bar.
14. The system of Claim 12, wherein said tension bar is formed of a material selected from the group consisting of a metal, a metal alloy and a metal composite.

15. The system of Claim 12, wherein said cable has a first end and a second end and both said first and second ends are connected to said locking unit.

16. The system of Claim 15, wherein said cable is connected at said first end to an exterior surface of said locking unit.

17. The system of Claim 15, wherein said cable is connected at said first end to an interior surface of said locking unit.

18. The system of Claim 15, wherein said locking unit comprises a housing and said housing is formed of a high performance metal.

19. The system of Claim 15, wherein said locking unit comprises a housing and said housing is formed of a carbon fiber or plastic material.

20. The system of Claim 18, wherein said high performance metal is selected from the group consisting of stainless steel, carbide, or titanium.

21. The system of Claim 1, wherein said cable comprises a substantially flattened wire, said wire comprising a pair of raised lateral portions, said lens comprises a pair of edges defined where said end surface meets a front surface and a rear surface and each of said pair of raised lateral portions of said wire abut a corresponding one of said pair of lens edges.

22. The system of Claim 21, wherein said wire further comprises a thread engaging structure.

23. The system of Claim 22, wherein said thread engaging structure comprises a plurality of parallel slots.

24. The system of Claim 22 further comprising a locking unit that comprises a threaded member that engage said thread engaging structure.

25. The system of Claim 24, wherein said threaded member comprises a head and said head comprises a driver engaging structure.

26. The system of Claim 25, wherein said driver engaging structure comprises at least one slot.

27. The system of Claim 26, wherein said driver engaging structure comprises a pair of crossing slots.

28. The system of Claim 1 further comprising a groove being positioned within said end surface and extending around a majority of said perimeter, said cable being positioned within said groove.

29. The system of Claim 28, wherein said cable has a diameter and said groove has a depth, said depth being substantially the same as said diameter.

30. The system of Claim 28, wherein said cable has a diameter and said groove has a depth, said depth being slightly shallower than said diameter.

31. The system of Claim 1 further comprising a locking unit, said locking unit comprising a housing defining a passage and said cable extending through said passage.

32. The system of Claim 31, wherein said housing further comprises a slot defined through a wall of said housing, said slot intersecting at least a portion of said passage and said slot sized to receive said cable.

33. The system of Claim 32 further comprising a threaded member, said passage comprising a threaded portion and said threaded member extending through said portion of said passage that is intersected by said slot.

34. The system of Claim 33 further comprising a flexible member that extends into a portion of said passage that said threaded member does not extend into.

35. An eyeglass frame assembly comprising a first lens and a second lens, said first lens being substantially encircled by a first cable, said second lens being substantially encircled by a second cable, said first cable and said second cable being connected by a bridge, said first cable having a first end and a second end, said second cable having a first end and a second end, a first closing member being connected to said first cable and connecting said first end of said first cable to said second end of said first cable, a second closing member being connected to said second cable and connecting said first end of said second cable to said second end of said second cable.

36. The assembly of Claim 35, wherein said first closing member comprises a first portion and a second portion and said second closing member comprises a first portion and a second portion, said first portion and said second portions of said first closing member being connected together and said first and second portions of said second closing member being connected together.

37. The assembly of Claim 36, wherein said first and second portions of said first closing member are connected with at least one threaded fastener and said first and second portions of said second closing member are connected with at least one threaded fastener.

38. The assembly of Claim 36 further comprising a first temple that is secured to said first closing member and a second temple that is secured to said second closing member.

39. The assembly of Claim 38, wherein said first temple member is secured between said first and second portions of said first closing member and said second temple is secured between said first and second portions of said second closing member.

40. The assembly of Claim 36, wherein said first end of said first cable comprises an anchor and said first portion of said first closing member comprises a corresponding recess such that said anchor is secured in said recess when said first and second portions of said first closing member are secured together.

41. The assembly of Claim 40, wherein said anchor is spherical in shape.

42. The assembly of Claim 40, wherein said anchor is rectangular in shape.

43. The assembly of Claim 40 further comprising an opening that extends through said first portion of said first closing member, said opening intersecting said recess.

44. The assembly of Claim 43, wherein said recess is disposed in a surface that faces said second portion of said first closing member and said opening extends at an angle toward an opposing surface of said first portion of said first closing member.

45. The assembly of Claim 40, wherein said second portion of said first closing member comprises an opening, said cable extending through said opening and said cable being locked in position relative to said second portion when said first and second portions of said first closing member are secured together.

46. The assembly of Claim 45, wherein said opening through said first member extends through a surface that faces said second member of said first closing member when said first and second portions of said first closing member are secured together.

47. The assembly of Claim 35, wherein said first closing member comprises a first nipple element and said second closing member comprises a second nipple element, said first and second nipple elements being sized to rest within grooves formed about an outer edge of said first and second lenses.

48. The assembly of Claim 35, wherein said bridge comprises a first projection and a second projection, said first and second projections being connected by a central portion.

49. The assembly of Claim 48, wherein said central portion is tubular and cylindrical and said projections are generally flattened.

50. The assembly of Claim 48, wherein said projections each comprises a generally vertically extending guide such that said cable can extend through said guide.

51. The assembly of Claim 50, wherein said guide projects toward the respective lens, each lens comprises a circumferential groove and said guide extends at least partially into said groove.

52. The assembly of Claim 35, wherein said bridge comprises a first slot through which said first cable can extend and a second slot through which said second cable can extend.

53. The assembly of Claim 35, wherein said first cable comprises two separated portions that are joined by said bridge and said second cable comprises two separated portions that are joined by said bridge.

54. The assembly of Claim 36, wherein a first magnetic member is secured to said first closing member and a second magnetic member is secured to a second closing member.

55. The assembly of Claim 54, wherein said first magnetic member is a magnet and said magnet is positioned in a recess formed in said first closing member.

56. The assembly of Claim 54, wherein said first closing member comprises a recess that defines a window in a surface of said first closing member, said magnetic member being positioned within said recess.

57. The assembly of Claim 54, wherein said first closing member comprises a magnetizable material.

58. The assembly of Claim 54, wherein said magnetic member has an exposed surface that is generally parallel to a front surface of said first lens.

59. The assembly of Claim 54, wherein said magnetic member has an exposed surface that is generally perpendicular to a front surface of said first lens.

60. The assembly of Claim 38, wherein a first magnetic member is secured to said first closing member and a second magnetic member is secured to a second closing member.

61. The assembly of Claim 60, wherein said first magnetic member is a magnet and said magnet is positioned in a recess formed in said first closing member.

62. The assembly of Claim 60, wherein said first closing member comprises a recess that defines a window in a surface of said first closing member, said magnetic member being positioned within said recess.

63. The assembly of Claim 60, wherein said first closing member comprises a magnetizable material.

64. The assembly of Claim 60, wherein said magnetic member has an exposed surface that is generally parallel to a front surface of said first lens.

65. The assembly of Claim 60, wherein said magnetic member has an exposed surface that is generally perpendicular to a front surface of said first lens.

66. The assembly of Claim 36, wherein said first portion of said first closing member has a first opening and said second portion of said first closing member has a second opening, said first and second openings being generally aligned, said second opening extending at an angle relative to said first opening and said second opening being exposed on a surface of said second portion of said first closing member such that said cable is captured within said second opening by a surface of said first portion of said first closing member when said first and second portions are connected.

67. The assembly of Claim 66, wherein said first portion is removable from said assembly and replaceable with an alternative first portion, said alternative first portion comprising a magnetic member.

68. The assembly of Claim 67 further comprising a first temple, said first temple being connected to said first closing member.

69. The assembly of Claim 67, wherein said first cable is secured to said second portion of said first closing member.

70. The assembly of Claim 69, wherein said first cable is welded to said second portion of said first closing member.

71. The assembly of Claim 69, wherein said first cable is secured to said second portion of said first closing member with an anchor that is received within a recess.

72. The assembly of Claim 67, wherein said first end of said first cable is welded to said first closing member and said second end is disposed within said second opening of said second portion of said first closing member.

73. The assembly of Claim 67, wherein said first end of said first cable is secured to said first closing member with an anchor that is received within a recess formed in said first closing member and said second end is disposed within said second opening of said second portion of said first closing member.

74. An eyewear system comprising at least one eyewear lens having an end surface that defines a perimeter of said lens, a cable extending around said perimeter, said perimeter having a total length and less than a total of at least about 10% of said total length of said perimeter being contacted by portions of rigid components.

75. The system of Claim 74, wherein said cable has a multi-filament construction.

76. The system of Claim 75, wherein said multi-filament construction comprises a plurality of filaments surrounding by an outer casing.

77. The system of Claim 76, wherein at least one of said plurality of filaments comprises a material selected from the group consisting of a metal, a metal alloy, a nylon, a polymer, a resin, a natural fiber or a man-made fiber.

78. The system of Claim 74, wherein said cable is made of a metal or metal alloy.

79. The system of Claim 74, wherein said cable has a thickness of between about 0.1 and about 3.0 mm.

80. The system of Claim 79, wherein said cable has a thickness of between about 0.1 and about 0.6 mm.

81. The system of Claim 74, wherein said cable has a thickness of between about 0.4 and about 1.6 mm.

82. The system of Claim 81, wherein said cable has a thickness of between about 0.4 mm and about 0.6 mm.

83. The system of Claim 82, wherein said cable has a thickness of about 0.5 mm.

84. The system of Claim 74, wherein said cable comprises a plurality of filaments retained in a casing.

85. The system of Claim 74 further comprising a bridge and a closing member, said bridge being connected to said cable and said closing member securing together a first and a second end of said cable, said bridge and said closing member comprising rigid components.